



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010490  
CERTIFICATION DATE: September 17, 2013  
DATE RECERTIFICATION DUE: March 16, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy

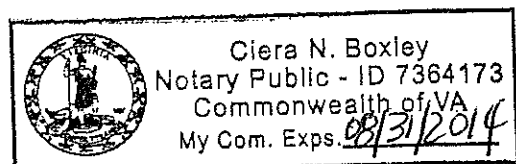
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 20<sup>th</sup> day of September, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



DBH  
NSM

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/20/2013**

<b>Instrument Serial Number: 010490</b>	<b>As of 20-Sep-13</b>
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Maintenance Date	Certification Date	Technician Initials	Remarks
17-Sep-13	17-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
03-Apr-13	03-Apr-13	HMS (18910)	CERTIFIED
18-Oct-12	18-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
02-May-12	02-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	DBH (21250)	CERTIFIED
03-Jun-11	03-Jun-11	HMS (18910)	REPLACED E-SEEK CARD READER, REPLACED DRY GAS STANDARD, CERTIFIED
28-Dec-10	28-Dec-10	HMS (18910)	CERTIFIED
15-Jul-10	15-Jul-10	HMS (18910)	CERTIFIED
11-Feb-10	11-Feb-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Aug-09	19-Aug-09	HMS (18910)	CERTIFIED.
02-Jul-09	02-Jul-09	NMJ (22392)	REPLACED TANK TOP LID, CERTIFIED.
23-Jun-09	23-Jun-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
05-Jun-09	05-Jun-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH  
WSH

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010490 Worksheet Start Date 9/17/2013  
Location South Boston PD  
Address 640 Hamilton Blvd South Boston VA 24592  
DFS Technician Donald Hall License No. 21250  
☐ Laboratory ☒ On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek		Mouthpieces
Keyboard		Certificates of Analysis
Printer		Operator Worksheet
UPS		Other:

50

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010490

Certification Date 9/17/2013

Instrument Barometer (mm HG) 756

Reference Barometer (mm HG) 762

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.248	0.240	0.255	Sample 2	0.247
Precision		sample min	sample max	Sample 3	0.246
0.001		0.246	0.247		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.149	0.144	0.153	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.149
0.001		0.149	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG227501-20

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.099	0.096	0.102	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

*Donald B. Hall*

Date

9/20/13

Issuing Analyst

*Melissa Kennedy*

Date

9/22/13

DBH

NDA



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  09/17/2013
TEST EQUIPMENT NUMBER  010490		

RESULTS: TIME SAMPLE TAKEN 11:06 EDT  
 SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
 SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
 OPERATOR'S SIGNATURE

FOR COURT



# IntoxNet MIS Report

Report Generated 17 Sep 2013 at 11:12

*fid*  
*DBH*  
*mwk*

## Test Results

Instrument Serial Number 010490

Test # 000521 Subject Test

Test Location 1 Department of

Test Date 17 Sep 2013

Test Location 2 Forensic Science

Test Time 10:59

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name HALL

Agency DFS Central Lab

Card Serial Number 121250

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

Operator's First Name DONALD

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

License Number 21250

Operator's Middle Initial B

Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 17 Sep 2013 End Time 11:07

Result Time 11:06

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 11:00

Data Type BLK

Sample Value 0.000

Sample Time 11:00

Data Type CHK

Sample Value 0.101

Sample Time 11:01

Data Type BLK

Sample Value 0.000

Sample Time 11:02

Data Type SUBJ

Sample Value 0.000

Sample Time 11:03

Data Type BLK

Sample Value 0.000

Sample Time 11:04

Data Type SUBJ

Sample Value 0.000

Sample Time 11:06

Data Type BLK

Sample Value 0.000

Sample Time 11:07

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG206601-12

Standard Expiration Date 03/06/2014

Tank Pressure 732

Barometric Pressure 756 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1779 cc End-of-Blow Time 11:03

Blow Sample Number 2 Blow Duration 4.11 sec

Blow Volume 1999 cc End-of-Blow Time 11:06

Tamper Evident Stamp c0551a4a

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

*Department of Forensic Science*

Serial Number: 010490

System Date: 09/17/2013

System Time: 12:39 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

WJK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010490 Test Number: 522

Test Date: 09/17/2013 Test Time: 11:32 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 424 psi Barometric Pressure: 756 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:33
CAL	0.100	11:33

Test Status: Success

Calibration CRC: D62CC7E5

DBH

WHL



DBH

**Intox EC/IR-II: Certification**

*Wdl*

*Department of Forensic Science*

Serial Number: 010490      Test Number: 523  
Test Date: 09/17/2013      Test Time: 11:38 EDT

Technician Initials: DBH

Dry Gas Target: 0.248

Lot Number: 2961225012-10      Exp Date: 11/01/2014

Tank Pressure: 286 psi      Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:38
BLK	0.000	11:39
CHK	0.247	11:40
BLK	0.000	11:41
CHK	0.247	11:42
BLK	0.000	11:43
CHK	0.246	11:44
BLK	0.000	11:46

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-11: Certification**

*Department of Forensic Science*

Serial Number: 010490      Test Number: 524  
Test Date: 09/17/2013      Test Time: 11:49 EDT

Technician Initials: DBH

Dry Gas Target: 0.149

Lot Number: 06512150I4-07      Exp Date: 04/01/2014

Tank Pressure: 85 psi      Barometric Pressure: 755 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:49
BLK	0.000	11:50
CHK	0.150	11:51
BLK	0.000	11:52
CHK	0.149	11:53
BLK	0.000	11:54
CHK	0.149	11:55
BLK	0.000	11:56

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010490      Test Number: 525  
Test Date: 09/17/2013      Test Time: 11:59 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03      Exp Date: 04/01/2014

Tank Pressure: 252 psi      Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:59
BLK	0.000	12:00
CHK	0.080	12:01
BLK	0.000	12:02
CHK	0.080	12:03
BLK	0.000	12:04
CHK	0.080	12:05
BLK	0.000	12:06

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010490      Test Number: 526  
Test Date: 09/17/2013      Test Time: 12:09 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05      Exp Date: 04/01/2014

Tank Pressure: 154 psi      Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:09
BLK	0.000	12:10
CHK	0.019	12:11
BLK	0.000	12:12
CHK	0.019	12:13
BLK	0.000	12:14
CHK	0.019	12:15
BLK	0.000	12:16

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010490 Test Number: 527

Test Date: 09/17/2013 Test Time: 12:20 EDT

Dry Gas Target: 0.298

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 394 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:21
CHK	0.300	12:22
BLK	0.000	12:23
CHK	0.300	12:24
BLK	0.000	12:26
CHK	0.300	12:27

Test Status: Success

Calibration CRC: D62CC7E5

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010490 Test Number: 528

Test Date: 09/17/2013 Test Time: 12:29 EDT

Dry Gas Target: 0.099

Lot Number: AG227501-20 Exp Date: 10/01/2014

Tank Pressure: 536 psi Barometric Pressure: 755 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	12:30
CHK	0.100	12:31
BLK	0.000	12:32
CHK	0.100	12:33
BLK	0.000	12:35
CHK	0.100	12:35

Test Status: Success

Calibration CRC: D62CC7E5




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  HALL, DONALD, B		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  21250	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  09/17/2013
TEST EQUIPMENT NUMBER  010490		

RESULTS: TIME SAMPLE TAKEN 12:47 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 19 Sep 2013 at 16:32

DBH  
MSL

## Test Results

Instrument Serial Number 010490

Test # 000529 Subject Test

Test Location 1 Department of  
Test Date 17 Sep 2013

Test Location 2 Forensic Science  
Test Time 12:41  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B  
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 17 Sep 2013 End Time 12:49

Result Time 12:47

Result Date 17 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:41

Data Type BLK

Sample Value 0.000

Sample Time 12:42

Data Type CHK

Sample Value 0.100

Sample Time 12:43

Data Type BLK

Sample Value 0.000

Sample Time 12:44

Data Type SUBJ

Sample Value 0.000

Sample Time 12:45

Data Type BLK

Sample Value 0.000

Sample Time 12:46

Data Type SUBJ

Sample Value 0.000

Sample Time 12:47

Data Type BLK

Sample Value 0.000

Sample Time 12:48

Standard Type Dry Gas Std

Standard Value 0.099

Standard Lot Number AG227501-20

Standard Expiration Date 10/01/2014

Tank Pressure 526

Barometric Pressure 755 mmHg

Blow Sample Number 1 Blow Duration 3.63 sec

Blow Volume 1695 cc End-of-Blow Time 12:45

Blow Sample Number 2 Blow Duration 3.40 sec

Blow Volume 1716 cc End-of-Blow Time 12:47

Tamper Evident Stamp b7dee56d

Test Status Code 0

Test Status Success